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KEY=THE - ANTWAN MASON

Android Security Internals An In-Depth Guide to Android's Security Architecture No Starch Press *There are more than one billion Android devices in use today, each one a potential target. Unfortunately, many fundamental Android security features have been little more than a black box to all but the most elite security professionals—until now. In Android Security Internals, top Android security expert Nikolay Elenkov takes us under the hood of the Android security system. Elenkov describes Android security architecture from the bottom up, delving into the implementation of major security-related components and subsystems, like Binder IPC, permissions, cryptographic providers, and device administration. You'll learn: –How Android permissions are declared, used, and enforced –How Android manages application packages and employs code signing to verify their authenticity –How Android implements the Java Cryptography Architecture (JCA) and Java Secure Socket Extension (JSSE) frameworks –About Android's credential storage system and APIs, which let applications store cryptographic keys securely –About the online account management framework and how Google accounts integrate with Android –About the implementation of verified boot, disk encryption, lockscreen, and other device security features –How Android's bootloader and recovery OS are used to perform full system updates, and how to obtain root access With its unprecedented level of depth and detail, Android Security Internals is a must-have for any security-minded Android developer.*
Computer-assisted Translation (CAT) Tools in the Translator Training Process Peter Lang Gmbh, Internationaler Verlag Der Wissenschaften *The goal of the book is to show how computer-assisted translation (CAT) tools may affect trainee translators and to what degree. As the main issues in the CAT-based classroom come to light, the author discusses how to negate them in order to prepare students to enter the professional market.* **Discovering Statistics Using R** SAGE *Lecturers - request an e-inspection copy of this text or contact your local SAGE representative to discuss your course needs. Watch Andy Field's introductory video to Discovering Statistics Using R Keeping the uniquely humorous and self-deprecating style that has made students across the world fall in love with Andy Field's books, Discovering Statistics Using R takes students on a journey of statistical discovery using R, a free, flexible and dynamically changing software tool for data analysis that is becoming increasingly popular across the social and behavioural sciences throughout the world. The journey begins by explaining basic statistical and research concepts before a guided tour of the R software environment. Next you discover the importance of exploring and graphing data, before moving onto statistical tests that are the foundations of the rest of the book (for example correlation and regression). You will then stride confidently into intermediate level analyses such as ANOVA, before ending your journey with advanced techniques such as MANOVA and multilevel models. Although there is enough theory to help you gain the necessary conceptual understanding of what you're doing, the emphasis is on applying what you learn to playful and real-world examples that should make the experience more fun than you might expect. Like its sister textbooks, Discovering Statistics Using R is written in an irreverent style and follows the same ground-breaking structure and pedagogical approach. The core material is augmented by a cast of characters to help the reader on their way, together with hundreds of examples, self-assessment tests to consolidate knowledge, and additional website material for those wanting to learn more. Given this book's accessibility, fun spirit, and use of bizarre real-world research it should be essential for anyone wanting to learn about statistics using the freely-available R software.* **Neural Networks for Pattern Recognition** Oxford University Press *`Readers will emerge with a rigorous statistical grounding in the theory of how to construct and train neural networks in pattern recognition' New Scientist* **Perturbation theory for linear operators** Springer Science & Business Media **PCI Express System Architecture** Addison-Wesley Professional *••PCI EXPRESS is considered to be the most general purpose bus so it should appeal to a wide audience in this arena.•Today's buses are becoming more specialized to meet the needs of the particular system applications, building the need for this book.•Mindshare and their only competitor in this space, Solari, team up in this new book.* **Proceedings of Integrated Intelligence Enable Networks and Computing IIENC 2020** Springer Nature *This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IIENC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.* **Mathematical Methods for Physics and Engineering A Comprehensive Guide** Cambridge University Press *The third edition of this highly acclaimed undergraduate textbook is suitable for teaching all the mathematics for an undergraduate course in any of the physical sciences. As well as lucid descriptions of all the topics and many worked examples, it contains over 800 exercises. New stand-alone chapters give a systematic account of the 'special functions' of physical science, cover an extended range of practical applications of complex variables, and give an introduction to quantum operators. Further tabulations, of relevance in statistics and numerical integration, have been added. In this edition, half of the exercises are provided with hints and answers and, in a separate manual available to both students and their teachers, complete worked solutions. The remaining exercises have no hints, answers or worked solutions and can be used for unaided homework; full solutions are available to instructors on a password-protected web site, www.cambridge.org/9780521679718.* **Modern Recording Techniques** CRC Press *As the most popular and authoritative guide to recording Modern Recording Techniques provides everything you need to master the tools and day to day*

practice of music recording and production. From room acoustics and running a session to mic placement and designing a studio Modern Recording Techniques will give you a really good grounding in the theory and industry practice. Expanded to include the latest digital audio technology the 7th edition now includes sections on podcasting, new surround sound formats and HD and audio. If you are just starting out or looking for a step up in industry, Modern Recording Techniques provides an in depth excellent read- the must have book **Death and Salvation in Ancient Egypt** <u>Cornell University Press</u> *"Human beings," the acclaimed Egyptologist Jan Assmann writes, "are the animals that have to live with the knowledge of their death, and culture is the world they create so they can live with that knowledge." In his new book, Assmann explores images of death and of death rites in ancient Egypt to provide startling new insights into the particular character of the civilization as a whole. Drawing on the unfamiliar genre of the death liturgy, he arrives at a remarkably comprehensive view of the religion of death in ancient Egypt. Assmann describes in detail nine different images of death: death as the body being torn apart, as social isolation, the notion of the court of the dead, the dead body, the mummy, the soul and ancestral spirit of the dead, death as separation and transition, as homecoming, and as secret. Death and Salvation in Ancient Egypt also includes a fascinating discussion of rites that reflect beliefs about death through language and ritual.* **Basic Simple Type Theory** <u>Cambridge University Press</u> *Type theory is one of the most important tools in the design of higher-level programming languages, such as ML. This book introduces and teaches its techniques by focusing on one particularly neat system and studying it in detail. By concentrating on the principles that make the theory work in practice, the author covers all the key ideas without getting involved in the complications of more advanced systems. This book takes a type-assignment approach to type theory, and the system considered is the simplest polymorphic one. The author covers all the basic ideas, including the system's relation to propositional logic, and gives a careful treatment of the type-checking algorithm that lies at the heart of every such system. Also featured are two other interesting algorithms that until now have been buried in inaccessible technical literature. The mathematical presentation is rigorous but clear, making it the first book at this level that can be used as an introduction to type theory for computer scientists.* **Translator's Workbench Tools and Terminology for Translation and Text Processing** <u>Springer Science & Business Media</u> *The Translator's Workbench Project was a European Community sponsored research and development project which dealt with issues in multi-lingual communication and docu mentation. This book presents an integrated toolset as a solution to problems in translation and docu mentation. Professional translators and teachers of translation were involved in the proc ess of software development, starting with a detailed study of the user requirements and ending with several evaluation-and-improvement cycles of the resulting toolset. English, German, Greek, and Spanish are addressed in the contributions, however, some of the techniques are inherently language-independent and can thus be extended to cover other languages as well. Translation can be viewed broadly as the execution of three cognitive processes, and this book has been structured along these lines: • First, the translation pre-process, understanding the target language text at a lexico semantic level on the one hand, and making sense of the source language document on the other hand. The tools for the pre-translation process include access to electronic networks, conversion of documents from one format to another, creation of terminol ogy data banks and access to existing data banks, and terminology dictionaries. • Second, the translation process, rendering sentences in the source language into equiva lent target sentences. The translation process refers to the potential of conventional machine translation systems, like METAL, and of the statistically oriented translation memory.* **Knowledge Management Concepts and Best Practices** <u>Springer Science & Business Media</u> *The Fraunhofer Competence Center Knowledge Management presents in this second edition its up-dated and extended research results. In doing so it describes best practices in knowledge management from leading companies and shows how to integrate such activities into the daily business tasks and processes, how to motivate people and which capabilities and skills are required. It concludes with an overview of the leading knowledge management projects in several European countries.* **Coral Reef Ascidians of New Caledonia** <u>IRD Editions</u> **Enterprise Knowledge Infrastructures** <u>Springer Science & Business Media</u> *Success of an organization is increasingly dependent on its capability to create an environment in order to improve productivity of knowledge work. This book focuses on the concepts, models and technologies that are used to design and implement such an environment. It develops the vision of a modular, yet highly integrated enterprise knowledge infrastructure and presents an idealized architecture replete with current technologies and systems. The most important streams of technological development that are covered in the book are communication, collaboration, document and content management, e-learning, enterprise portals, business process management, information life cycle management, information retrieval and visualization, knowledge management, mobile computing, application and network infrastructure, Semantic Web and social software. It includes learning goals, exercises and case examples that help the reader to easily understand and practice the concepts.* **An Introduction to Optimization** <u>John Wiley & Sons</u> *A modern, up-to-date introduction to optimization theory andmethods This authoritative book serves as an introductory text tooptimization at the senior undergraduate and beginning graduatelevels. With consistently accessible and elementary treatment ofall topics, An Introduction to Optimization, Second Edition helpsstudents build a solid working knowledge of the field, includingunconstrained optimization, linear programming, and constrainedoptimization. Supplemented with more than one hundred tables and illustrations,an extensive bibliography, and numerous worked examples toillustrate both theory and algorithms, this book alsoprovides: * A review of the required mathematical background material * A mathematical discussion at a level accessible to MBA andbusiness students * A treatment of both linear and nonlinear programming * An introduction to recent developments, including neuralnetworks, genetic algorithms, and interior-point methods * A chapter on the use of descent algorithms for the training offeedforward neural networks * Exercise problems after every chapter, many new to thisedition * MATLAB(r) exercises and examples * Accompanying Instructor's Solutions Manual available onrequest An Introduction to Optimization, Second Edition helps studentsprepare for the advanced topics and technological developments thatlie ahead. It is also a useful book for researchers andprofessionals in mathematics, electrical engineering, economics,statistics, and business. An Instructor's Manual presenting detailed solutions to all theproblems in the book is available from the Wiley editorialdepartment.* **Applications of X-ray Computed Tomography in the Geosciences** <u>Geological Society of London</u> *X-ray computed tomography (CT) is a technique that allows non-destructive imaging and quantification of internal features of objects. X-ray CT reveals differences in density and atomic composition and can therefore be used for the study of porosity, the relative distribution of contrasting solid phases and the penetration of injected solutions. In this book, various applications of X-ray CT in the geosciences are illustrated by papers covering a wide range of disciplines, including petrology, soil science, petroleum geology, geomechanics and sedimentology.* **Dark Fiber Tracking Critical Internet Culture** <u>MIT Press</u> *The Internet is being closed off by businesses and*

governments intent on creating an environment free of dissent. In this text, the author covers concerns and issues of navigation and usability without losing sight of the agenda of those who control hardware, software, content, design and delivery. **Navigate Intermediate B1+. Coursebook DVD : Video - Coursebook MP3 audio - Wordlists. / Rachael Roberts, Heather Buchanan and Emma Pathare, Series Adviser Catherine Walter. B1+ Coursebook DVD** Information-rich topics and texts immerse adult learners in themes and issues from around the world so that English is more relevant. **Cardiac Catheterization for Congenital Heart Disease From Fetal Life to Adulthood** Springer This handbook is an ideal, up-to-date guide to the application of catheter-based interventions across the entire patient age range, from fetal life through to adulthood. Clear instruction is offered on techniques of vascular access, valve dilatation, angioplasty, stent implantation, defect closure, defect creation, pulmonary valve implantation and the hybrid approach, as well as miscellaneous other procedures. Topics are approached using a step-by-step format, ensuring that the reader will immediately be able to access information relevant to daily practice. Many explanatory figures and drawings are included in each chapter in order to clarify further how to plan, perform and evaluate diagnostic and interventional procedures in the field of congenital heart disease. Attention is drawn to important tips and tricks that will assist in achieving optimal outcomes and an appendix includes additional general equations and BSA and oxygen consumption charts. **Power Conversion and Control of Wind Energy Systems** John Wiley & Sons The book presents the latest power conversion and control technology in modern wind energy systems. It has nine chapters, covering technology overview and market survey, electric generators and modeling, power converters and modulation techniques, wind turbine characteristics and configurations, and control schemes for fixed- and variable-speed wind energy systems. The book also provides in-depth steady-state and dynamic analysis of squirrel cage induction generator, doubly fed induction generator, and synchronous generator based wind energy systems. To illustrate the key concepts and help the reader tackle real-world issues, the book contains more than 30 case studies and 100 solved problems in addition to simulations and experiments. The book serves as a comprehensive reference for academic researchers and practicing engineers. It can also be used as a textbook for graduate students and final year undergraduate students. **Excession** Hachette UK The fifth Culture book from the awesome imagination of Iain M. Banks, a modern master of science fiction. Two and a half millennia ago, the artifact appeared in a remote corner of space, beside a trillion-year-old dying sun from a different universe. It was a perfect black-body sphere, and it did nothing. Then it disappeared. Now it is back. Praise for the Culture series: 'Epic in scope, ambitious in its ideas and absorbing in its execution' Independent on Sunday 'Banks has created one of the most enduring and endearing visions of the future' Guardian 'Jam-packed with extraordinary invention' Scotsman 'Compulsive reading' Sunday Telegraph The Culture series: Consider Phlebas The Player of Games Use of Weapons The State of the Art Excession Inversions Look to Windward Matter Surface Detail The Hydrogen Sonata Other books by Iain M. Banks: Against a Dark Background Feersum Endjinn The Algebraist **Pattern Recognition and Computational Intelligence Techniques Using Matlab** Springer Nature This book presents the complex topic of using computational intelligence for pattern recognition in a straightforward and applicable way, using Matlab to illustrate topics and concepts. The author covers computational intelligence tools like particle swarm optimization, bacterial foraging, simulated annealing, genetic algorithm, and artificial neural networks. The Matlab based illustrations along with the code are given for every topic. Readers get a quick basic understanding of various pattern recognition techniques using only the required depth in math. The Matlab program and algorithm are given along with the running text, providing clarity and usefulness of the various techniques. Presents pattern recognition and the computational intelligence using Matlab; Includes mixtures of theory, math, and algorithms, letting readers understand the concepts quickly; Outlines an array of classifiers, various regression models, statistical tests and the techniques for pattern recognition using computational intelligence. **Information Technologies in Environmental Engineering New Trends and Challenges** Springer Science & Business Media This monograph contains recent studies in eco-informatics, promising ideas and new challenges in information management for supporting sustainability in companies and other organization. The scope of this book includes sets of solutions which show different stakeholders' viewpoints on sustainability. In individual chapters, authors discuss the role which Environmental Information Systems (EIS) play in the environmental conscious functioning of enterprise. New models, methods and tools supporting sustainability are presented. Emphasis is placed on the innovative approach to eco-friendly organization and coordination of transport, logistics processes and operations management. The information management and decision making in manufacturing and service organizations is highlighted. The scope of this monograph also encompasses topics related to the modeling and monitoring of climate change. **Programming with GNU Software** "O'Reilly Media, Inc." Here is a complete package for programmers who are new to UNIX or who would like to make better use of the system. The book provides an introduction to all the tools needed for a C programmer. The CD contains sources and binaries for the most popular GNU tools, including their C/C++ compiler. **Definitive XML Application Development** Prentice Hall In this book, leading XML developer Lars Marius Garshol covers every essential aspect of XML programming, from basic principles through advanced techniques, utilizing DOM, SAX, XSLT, XPath, schemas, and other key XML standards. Garshol presents scores of code examples based on Python, a cross-platform language that is exceptionally well suited for XML development. Garshol also presents new insights into XML application design and optimization, as well as complete sample applications Book jacket. **Complex Inorganic Solids Structural, Stability, and Magnetic Properties of Alloys** Springer Science & Business Media One of the key aspects of this volume is to cut across the traditional taxonomy of disciplines in the study of alloys. Hence there has been a deliberate attempt to integrate the different approaches taken towards alloys as a class of materials in different fields, ranging from geology to metallurgical engineering. The emphasis of this book is to highlight commonalities between different fields with respect to how alloys are studied. The topics in this book fall into several themes, which suggest a number of different classification schemes. We have chosen a scheme that classifies the papers in the volume into the categories Microstructural Considerations, Ordering, Kinetics and Diffusion, Magnetic Considerations and Elastic Considerations. The book has juxtaposed apparently disparate approaches to similar physical processes, in the hope of revealing a more dynamic character of the processes under consideration. This monograph will invigorate new kinds of discussion and reveal challenges and new avenues to the description and prediction of properties of materials in the solid state and the conditions that produce them. **Generation of Neurons and Their Integration in Pre-Existing Circuits in the Postnatal Brain: Signalling in Physiological and Regenerative Contexts** Frontiers Media SA **Techniques and Applications of Digital Watermarking and Content Protection** Artech House This informative, new resource presents the first comprehensive treatment of silicon-germanium heterojunction bipolar transistors (SiGe HBTs). It offers you a complete, from-the-ground-up understanding of SiGe HBT devices and

technology, from a very broad perspective. The book covers motivation, history, materials, fabrication, device physics, operational principles, and circuit-level properties associated with this new cutting-edge semiconductor device technology. Including over 400 equations and more than 300 illustrations, this hands-on reference shows you in clear and concise language how to design, simulate, fabricate, and measure a SiGe HBT. **Model Order Reduction: Theory, Research Aspects and Applications** Springer Science & Business Media *The idea for this book originated during the workshop "Model order reduction, coupled problems and optimization" held at the Lorentz Center in Leiden from S- tember 19–23, 2005. During one of the discussion sessions, it became clear that a book describing the state of the art in model order reduction, starting from the very basics and containing an overview of all relevant techniques, would be of great use for students, young researchers starting in the ?eld, and experienced researchers. The observation that most of the theory on model order reduction is scattered over many good papers, making it dif?cult to ?nd a good starting point, was supported by most of the participants. Moreover, most of the speakers at the workshop were willing to contribute to the book that is now in front of you. The goal of this book, as de?ned during the discussion sessions at the workshop, is three-fold: ?rst, it should describe the basics of model order reduction. Second, both general and more specialized model order reduction techniques for linear and nonlinear systems should be covered, including the use of several related numerical techniques. Third, the use of model order reduction techniques in practical appli- tions and current research aspects should be discussed. We have organized the book according to these goals. In Part I, the rationale behind model order reduction is explained, and an overview of the most common methods is described.* **Eye Tracking Methodology Theory and Practice** Springer Science & Business Media *Despite the availability of cheap, fast, accurate and usable eye trackers, there is little information available on how to develop, implement and use these systems. This 2nd edition of the successful guide contains significant additional material on the topic and aims to fill that gap in the market by providing an accessible and comprehensive introduction. Additional key features of the 2nd edition include: Technical description of new (state-of-the-art) eye tracking technology; a complete whole new section describing experimental methodology including experimental design, empirical guidelines, and five case studies; and survey material regarding recent research publications.* **Whistleblowing for Change Exposing Systems of Power and Injustice** transcript Verlag *The courageous acts of whistleblowing that inspired the world over the past few years have changed our perception of surveillance and control in today's information society. But what are the wider effects of whistleblowing as an act of dissent on politics, society, and the arts? How does it contribute to new courses of action, digital tools, and contents? This urgent intervention based on the work of Berlin's Disruption Network Lab examines this growing phenomenon, offering interdisciplinary pathways to empower the public by investigating whistleblowing as a developing political practice that has the ability to provoke change from within.* **ICT Innovations 2012 Secure and Intelligent Systems** Springer Science & Business Media *The present stage of the human civilization is the e-society, which is build over the achievements obtained by the development of the information and communication technologies. It affects everyone, from ordinary mobile phone users to designers of high quality industrial products, and every human activity, from taking medical care to improving the state governing. The science community working in computer sciences and informatics is therefore under constant challenge; it has to solve the new appeared theoretical problem as well as to find new practical solutions. The fourth ICT Innovations Conference, held in September 2012 in Ohrid, Macedonia, was one of the several world-wide forums where academics, professionals and practitioners presented their last scientific results and development applications in the fields of high performance and parallel computing, bioinformatics, human computer interaction, security and cryptography, computer and mobile networks, neural networks, cloud computing, process verification, improving medical care, improving quality of services, web technologies, hardware implementations, cultural implication. In this book the best 37 ranked articles are presented.* **Visualizing Chemistry The Progress and Promise of Advanced Chemical Imaging** National Academies Press *Scientists and engineers have long relied on the power of imaging techniques to help see objects invisible to the naked eye, and thus, to advance scientific knowledge. These experts are constantly pushing the limits of technology in pursuit of chemical imaging—the ability to visualize molecular structures and chemical composition in time and space as actual events unfold—from the smallest dimension of a biological system to the widest expanse of a distant galaxy. Chemical imaging has a variety of applications for almost every facet of our daily lives, ranging from medical diagnosis and treatment to the study and design of material properties in new products. In addition to highlighting advances in chemical imaging that could have the greatest impact on critical problems in science and technology, Visualizing Chemistry reviews the current state of chemical imaging technology, identifies promising future developments and their applications, and suggests a research and educational agenda to enable breakthrough improvements.* **Knowledge Seeker - Ontology Modelling for Information Search and Management A Compendium** Springer Science & Business Media *The Knowledge Seeker is a useful system to develop various intelligent applications such as ontology-based search engine, ontology-based text classification system, ontological agent system, and semantic web system etc. The Knowledge Seeker contains four different ontological components. First, it defines the knowledge representation model ¡V Ontology Graph. Second, an ontology learning process that based on chi-square statistics is proposed for automatic learning an Ontology Graph from texts for different domains. Third, it defines an ontology generation method that transforms the learning outcome to the Ontology Graph format for machine processing and also can be visualized for human validation. Fourth, it defines different ontological operations (such as similarity measurement and text classification) that can be carried out with the use of generated Ontology Graphs. The final goal of the KnowledgeSeeker system framework is that it can improve the traditional information system with higher efficiency. In particular, it can increase the accuracy of a text classification system, and also enhance the search intelligence in a search engine. This can be done by enhancing the system with machine processable ontology.* **Virtual Worlds First International Conference, VW'98 Paris, France, July 1–3, 1998 Proceedings** Springer *This volume constitutes the refereed proceedings of the First International Conference on Virtual Worlds, VW'98, held in Paris, France, in July 1998. The 36 revised full papers presented together with two invited contributions were carefully reviewed for inclusion in the book. The papers span the whole thematic scope of virtual worlds including virtual reality, artificial life, multiagent systems, complexity, applications, and virtual worlds and art.* **Greek Theories of Elementary Cognition from Alcmaeon to Aristotle** Lulu.com *Greek theories of elementary cognition from Alcmaeon to Aristotle, by John I. Beare. The aim of this book is to give a close General historical account of the various theories, partly physiological and partly psychological, by which the Greek philosophers from Alcmaeon to Aristotle endeavoured to explain the elementary phenomena of cognition. The pre-Aristotelean writers who applied themselves to this subject, and of whose writings we possess any considerable information, are Alcmaeon of Crotona,*

Empedoicles, Democritus, Anaxagoras, Diogenes of Apollonia, and Plato. We propose to set forth here their speculations, together with those of Aristotle, as to the so-called Five Senses, Sensation in general, and the psychical processes, such as Imagination and Memory, which involve the synthetic function referred by Aristotle to Sense, and named by his Latin commentators the Sensits Communis. Reproduction of the 1906 Edition. **Scaling Topic Maps Third International Conference on Topic Map Research and Applications, TMRA 2007 Leipzig, Germany, October 11-12, 2007 Revised Selected Papers** Springer *The papers in this volume were presented at TMRA 2007, the International Conference on Topic Maps Research and Applications, held October 11–12, 2007, in Leipzig, Germany. TMRA 2007 was the third conference in an annual series of international conferences dedicated to Topic Maps in science and industry. The motto of TMRA 2007 was "Scaling Topic Maps." Taken literally the motto implies developing Topic Maps approaches that scale to large data and user volumes. This is a very real and useful research problem which is addressed by many of the contributions to the conference. But there is an even broader interpretation of the motto: wide adoption of Topic Maps in academia and industry. This is an equally important problem, and one that the TMRA conference series exists to help solve. And there is a more fanciful view on the motto. To "scale" can also mean to climb, so for the attendees the conference provided a way to "scale the mountain of Topic Maps." In all these ways TMRA 2007 helped to scale Topic Maps.* **No Bullshit Guide to Linear Algebra** *This textbook covers the material for an undergraduate linear algebra course: vectors, matrices, linear transformations, computational techniques, geometric constructions, and theoretical foundations. The explanations are given in an informal conversational tone. The book also contains 100+ problems and exercises with answers and solutions. A special feature of this textbook is the prerequisites chapter that covers topics from high school math, which are necessary for learning linear algebra. The presence of this chapter makes the book suitable for beginners and the general audience-readers need not be math experts to read this book. Another unique aspect of the book are the applications chapters (Ch 7, 8, and 9) that discuss applications of linear algebra to engineering, computer science, economics, chemistry, machine learning, and even quantum mechanics.* **Indexing From Thesauri to the Semantic Web** Elsevier *Indexing consists of both novel and more traditional techniques. Cutting-edge indexing techniques, such as automatic indexing, ontologies, and topic maps, were developed independently of older techniques such as thesauri, but it is now recognized that these older methods also hold expertise. Indexing describes various traditional and novel indexing techniques, giving information professionals and students of library and information sciences a broad and comprehensible introduction to indexing. This title consists of twelve chapters: an Introduction to subject readings and theasauri; Automatic indexing versus manual indexing; Techniques applied in automatic indexing of text material; Automatic indexing of images; The black art of indexing moving images; Automatic indexing of music; Taxonomies and ontologies; Metadata formats and indexing; Tagging; Topic maps; Indexing the web; and The Semantic Web. Makes difficult and complex techniques understandable Contains may links to and illustrations from websites where new indexing techniques can be experienced Provides references for further reading*